

## OREGON WATER SUPPLY AS OF MAY 5<sup>TH</sup>, 2017

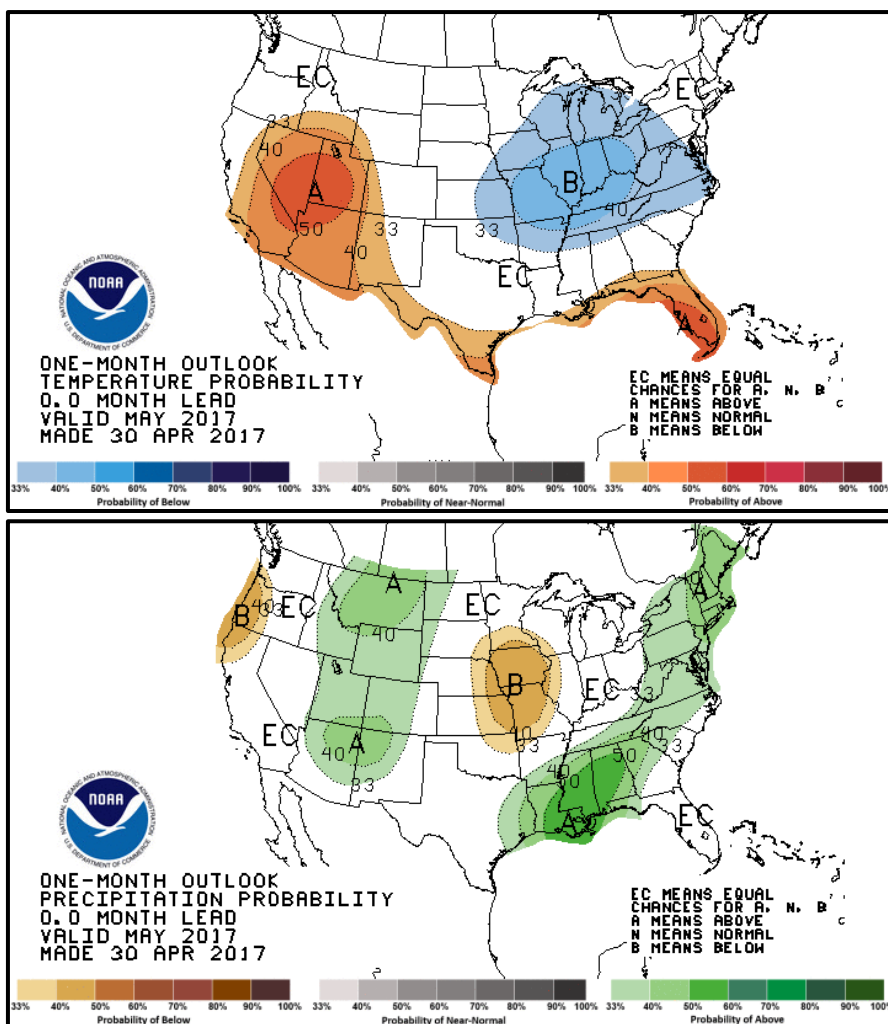
The water supply forecast for the spring and summer of 2017 is above-average across the state. April through September runoff-volume forecasts range from 90 to 170 percent of average, with above-average forecasts for most rivers basins in Oregon, except near-average forecasts for a few basins in coastal western Oregon and northeast Oregon.

Snowpack as of May 4th remains above-average in higher elevations statewide. Snow has melted from lower and mid elevations, but significant snow remains at elevations above 5000 feet north and 6000 feet south. April precipitation was above-average, continuing the trend of wet months that started in February.

The May 2017 outlook by the Climate Prediction Center calls for increased likelihood of below-average precipitation in western Oregon, with equal chances of near, above, or below-average precipitation for central and eastern Oregon. The outlook for May temperatures is equal chances statewide. For June through August, there is a slightly-enhanced chance of above-average temperatures for Oregon, with equal chances of near, above, or below-average precipitation across the state. For more details, visit [www.cpc.ncep.noaa.gov](http://www.cpc.ncep.noaa.gov).

Refer to the sections below and links provided for details regarding snowpack, precipitation, reservoir conditions, and water supply forecasts for individual basins.

The Oregon water supply outlook will be updated each month through June. Look for the next update June 5th.



May outlooks from the Climate Prediction Center

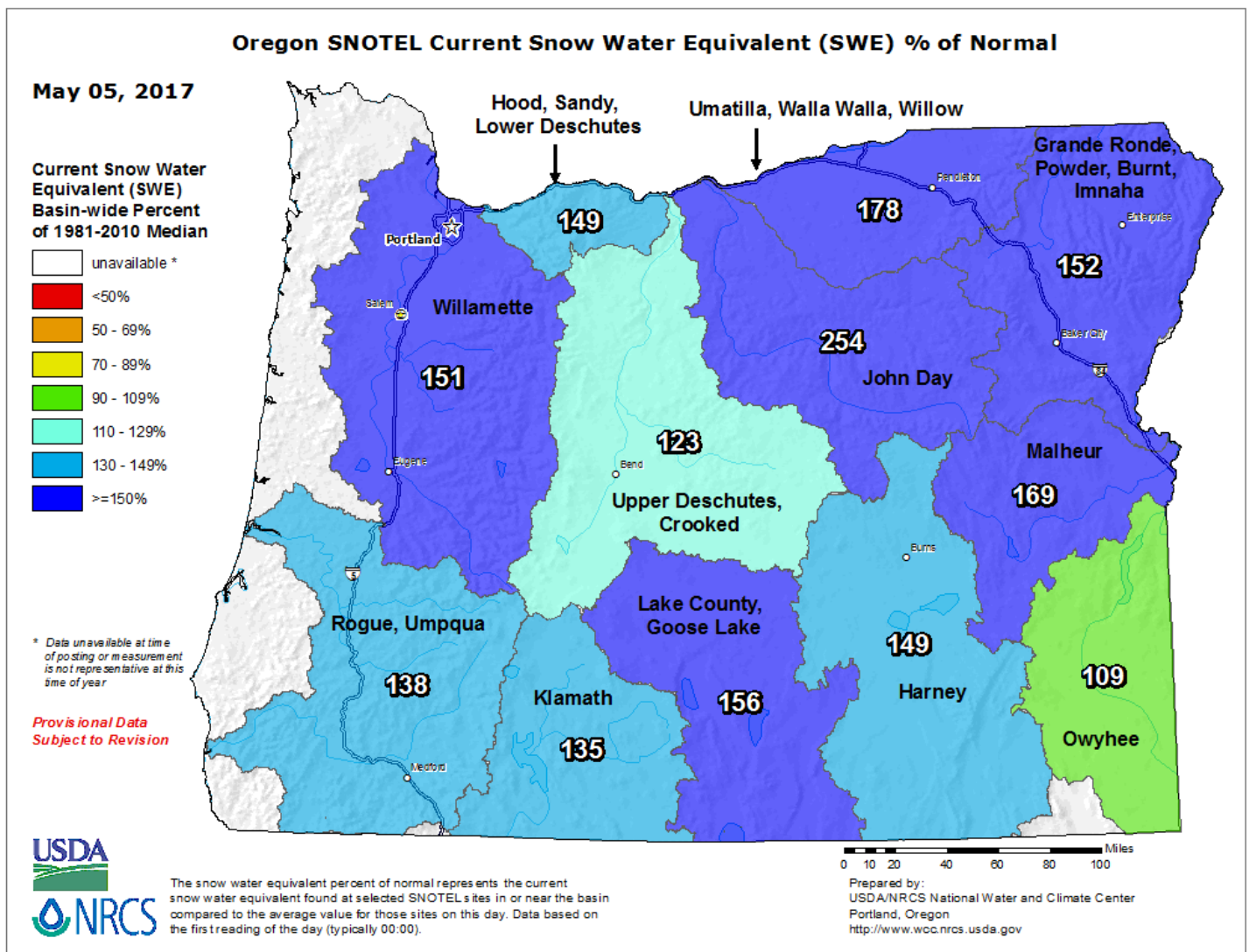
## Snowpack across Oregon

Oregon snowpack ranges from 110 to 160 percent of average as of May 4th. There is still significant snowpack above 5000 feet north and 6000 feet south in the Cascades and eastern Oregon mountains. Snowmelt in late March and much of April was a major contribution to recent high streamflow, especially for rivers east of the Cascades.

Additional snowpack information:

NOAA National Weather Service - Northwest River Forecast Center  
[www.nwrfc.noaa.gov/snow/](http://www.nwrfc.noaa.gov/snow/)

USDA Natural Resources Conservation Service  
[www.nrcs.usda.gov/wps/portal/nrcs/main/or/snow/](http://www.nrcs.usda.gov/wps/portal/nrcs/main/or/snow/)



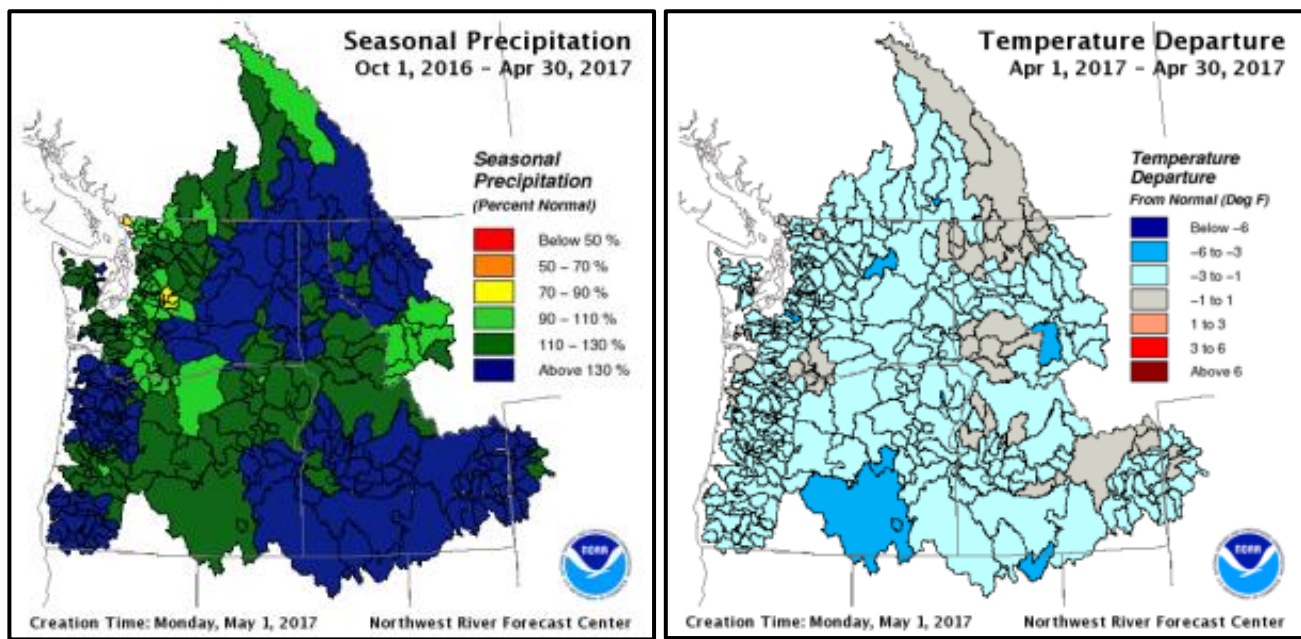
## Precipitation and Temperatures across Oregon

Precipitation for the 2017 water year thus far (Oct 1, 2016 through April 30, 2017) ranges from 120 to 150 percent of average in Oregon. Adding to what has already been a wet winter, combined February-March-April precipitation was much-above average, with record amounts in parts of western Oregon. April temperatures were 1 to 3 degrees below-average across the state.

Details on precipitation and temperatures:

NOAA National Weather Service - Northwest River Forecast Center  
[www.nwrfc.noaa.gov/water\\_supply/wy\\_summary/wy\\_summary.php](http://www.nwrfc.noaa.gov/water_supply/wy_summary/wy_summary.php)

NOAA NWS - California-Nevada River Forecast Center (Klamath basin)  
[www.cnrfc.noaa.gov/water\\_resources\\_update.php](http://www.cnrfc.noaa.gov/water_resources_update.php)



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## Reservoirs

Reservoir storage increased in April, adding to the major increases in March. As of early May, most irrigation reservoirs around the state are 85 to 100 percent full, and nearly all reservoirs are expected to fill to summer full-pool levels by late May. Note that Owyhee Reservoir, Oregon's largest irrigation reservoir, is filled to 100 percent of capacity.

Reservoir data is provided by the Natural Resources Conservation Service, the Bureau of Reclamation, and the US Army Corps of Engineers.

Additional reservoir information:

[www.wcc.nrcs.usda.gov/basin.html](http://www.wcc.nrcs.usda.gov/basin.html)  
[www.usbr.gov/pn/hydromet/select.html](http://www.usbr.gov/pn/hydromet/select.html)  
[www.nwd-wc.usace.army.mil/nwp/teacup/willamette/](http://www.nwd-wc.usace.army.mil/nwp/teacup/willamette/)

## **Observed Streamflow**

Observed streamflow in April 2017 was above-average for nearly all Oregon rivers, except near-average in south-central Oregon.

Visit [waterwatch.usgs.gov](http://waterwatch.usgs.gov) for details on observed streamflow. Water year and monthly runoff data is available at [www.nwrfc.noaa.gov](http://www.nwrfc.noaa.gov) for several locations in Oregon.

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## **Forecast Streamflow and Seasonal Runoff Volumes**

Forecasts for April-September runoff volume range from 90 to 170 percent of average, with the highest values generally in southwestern and eastern Oregon and the lowest values in northwest Oregon. Seasonal forecasts have trended upward the past three months.

The May 4th forecast for the Columbia River at The Dalles, which is a good index of conditions across the Columbia Basin, is 129 percent of average for April-September, an increase of 9 percent from the forecast on April 4th.

Details on basin-scale water supply forecasts:

NOAA National Weather Service - Northwest River Forecast Center  
[www.nwrfc.noaa.gov/ws/](http://www.nwrfc.noaa.gov/ws/)

USDA Natural Resources Conservation Service  
[www.wcc.nrcs.usda.gov/wsf/](http://www.wcc.nrcs.usda.gov/wsf/)